

## EUROPA Docs

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This page provides in-depth documentation on understanding and using EUROPA. If you don't know where to start, or just want a quick overview of how to use EUROPA, take a look at the [EUROPA Quick Start](#)

## Background Concepts

- [Planning and Scheduling](#)
- [Constraint Satisfaction Problems](#)
- [Simple Temporal Problems \(Networks\)](#)
- Plan Representation?
- Dynamic Objects?
- Partial Plans?
- [Problem Solving](#)

## User Docs

- [Overview: The EUROPA 2 Planning Approach](#)
- [How to embed EUROPA in an application](#)
  - ◆ [NDDL Reference](#)
  - ◆ [Complete NDDL Grammar \(for ANTLR\)](#)
  - ◆ [Constraint Library Reference](#)
  - ◆ Configuration
    - ◇ [Logging](#)
    - ◇ [Built-in Solver](#)
  - ◆ Visualization / Debugging Tools
    - ◇ PSUI
    - ◇ PlanWorks
      - PlanWorks user's guide
      - [PlanWorks.cfg Reference](#)
    - ◇ Low-level debugging:
      - Stepping and Writing
      - [Debug Output Management](#)
      - Timelines
      - The Token Network
      - The Constraint Network
      - Metric Resources
      - Common Debugging Scenarios
  - ◆ Architecture
    - ◇ [Overview](#)
    - ◇ Propagation Services
    - ◇ Plan Database Services
    - ◇ Modeling Services
    - ◇ Problem Solving Services
    - ◇ Ancillary Modules

- ◆ How to Extend EUROPA
  - ◇ Adding a Constraint
  - ◇ Adding a Listener
    - TODO! Entries for different listener types
  - ◇ Extending the built-in solver
    - Adding a Flaw Filter
    - Adding a Flaw Handler
    - Adding a Flaw Manager
  - ◇ Building your own Solver
- ◆ API Docs (TODO: add link to Doxygen/JavaDoc docs)
  - ◇ PSEngine (C++ / Java)
  - ◇ Internal C++ API
- ◆ Glossary
- ◆ References

## Modeling tricks

- Notes on Using Resource Search Operators

Images (referenced throughout the documentation)